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Datasheet for ABIN7535103
STAT1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	STAT1
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This STAT1 protein is labelled with His tag.

Product Details

Purpose: Active Recombinant Human STAT1 Protein

Sequence: MSQWYELQQL DSKFLEQVHQ LYDDSFPM EI RQYLAQWLEK QDWEHAANDV SFATIRFHDL
LSQLDDQYSR FSLENNFLLQ HNIKRSKRNL QDNFQEDPIQ MSMIIYSCLK EERKILENAQ
RFNQAQSGNI QSTVMLDKQK ELDSKVRNVK DKVMCIEHEI KSLEDLQDEY DFKCKTLQNR
EHETNGVAKS DQKQEQLLLK KMYLMLDNKR KEVVHKIIEI LNVTETLQNA LINDELVEWK
RRQQSACIGG PPNACLDQLQ NWF TIVAESL QQVRQQLKKL EELEQKYTYE HDPITKNKQV
LWDR TFSLFQ QLIQSSFVVE RQPCMPHPQ RPLVLKTGVQ FTVKLRLLVK LQELNYNLKV
KVLFDKDVNE RNTVKGFRKF NILGHTHKVM NMEESTNGSL AAEFRHLQLK EQKNAGTRTN
EGPLIVTEEL HSLSFETQLC QPGLVIDLET TSLPVVVISN VSQ LPSGWAS ILWYNMLVAE
PRNLSFFLTP PCARWAQLSE VLSWQFSSVT KRGLNVDQLN MLGEKLLGPN ASPDGLIPWT
RFCKENINDK NPPFWLWIES ILELIKHHLL PLWNDGCIMG FISKERERAL LKDQQPGTFL
LRFSESSREG AITFTWVERS QNGGEPDFHA VEPYTKKELS AVTFPDIIRN YKVMMAENIP
ENPLKYLYPN IDKDHAFGKY YSRPKEAPEP MELDGPKG TG YIKTELISVS EV

Product Details

Specificity:	Met1-Val712
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human STAT1 Protein at 1 µg/mL (100 µL/well) can bind STAT1 Rabbit mAb with a linear range of 0.195-1.295 ng/mL.

Target Details

Target:	STAT1
Alternative Name:	STAT1 (STAT1 Products)
Background:	CANDF7, IMD31A, IMD31B, IMD31C, ISGF-3, STAT91, STAT1, IMD31A, IMD31B, IMD31C, ISGF-3, STAT91, STAT1 alpha
Gene ID:	6772
UniProt:	P42224-2
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Response to Growth Hormone Stimulus , Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Endopeptidase Activity , Hepatitis C , CXCR4-mediated Signaling Events

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term.

Handling

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.